

FCC guidelines need to be updated, and need to:

1. consider exposure from multiple sources, not a single source
2. be based on independent research
3. be biologically based
4. consider needs of fetuses and children, whose brains are just developing
5. have stricter guidelines for devices which are not voluntary, and which expose entire populations (such as smart meters)
6. take into account the wireless industry is growing rapidly, and the updated guidelines must assume exposure from even more sources in the future
7. consider the effects of wireless technology on other life forms: i.e. bees and insects, which are crucial to sustaining life on earth
8. consider requiring warning labels on wireless devices.

There is enough research indicating that wireless devices can cause harm (especially for fetuses and young children) to warrant concern. Two such studies are listed below:

May 2012: Yale School of Medicine Researchers determined that exposure to cell phones during pregnancy affects the brain development of offspring, potentially leading to hyperactivity. "Taylor said that further research is needed in humans (This study used mice) to better understand the mechanisms behind these findings and to establish safe exposure limits during pregnancy. Nevertheless, he said, limiting exposure of the fetus seems warranted."

<http://news.yale.edu/2012/03/15/cell-phone-use-pregnancy-may-cause-behavioral-disorders-offspring>

December 2010: A Danish study found a higher incidence of hyperactivity and behavior problems in children whose mothers used cell phones extensively during pregnancy. The behavior of the children will be evaluated again in a few years to see if the problem behaviors persist.

<http://www.webmd.com/baby/news/20101206/cell-phone-use-in-pregnancy-risks-for-child>

May 2011: The World Health Organization (WHO) identified cell phones as a class 2B possible carcinogen. The International Agency for Research on Cancer (IARC), a working group of 30 of the world's top scientists, representing 14 countries, spent seven days studying the mechanics of wireless technology, reviewing all of the existing research, and examining all other relevant data.

The result: Cell phones were designated as a class 2B possible carcinogen.

http://www.iarc.fr/en/media-centre/iarcnews/2011/Intr_Monog102.pdf

These reports suggest that a "cautionary" approach to exposing our entire population, especially young children, to even more wireless technology is warranted.

My personal experience:

A smart meter was installed on March 10, 2012. My reaction was so severe that I was not able to stay in my home. With a note from my doctor stating that it was making me ill, DTE finally replaced it with a non-transmitting digital meter, but DTE refused to install an analog meter, which my doctor had specified.

My symptoms were less severe with the replacement digital meter, but I still became symptomatic whenever I stayed in my home. My symptoms, including elevated blood pressure, ringing in my ears, muscle weakness, and breathing problems, would disappear when I left my home for an extended period of time, and reappear soon after returning to my home.

I have gone to great expense (thousands of dollars) in an attempt to bring my home back to what it was prior to the installation of these meters, interventions ranging from hiring an electrician to upgrade the wiring in my home, to installing materials to shield my home from neighboring meters.

Each intervention has helped, and my home is now "livable," but my home has never returned to what it was prior to the smart meter deployment.

"Human" safety should not be our only concern. . .

There is also emerging evidence that wireless technology is harmful to bees- - - and we need bees! They pollinate our crops. We need them to survive.

Below is an article about bees and cell phones. The actual study can be reached by clicking on ([PDF](#)) in the first paragraph of the article.

CELL PHONE SIGNALS REALLY ARE KILLING THE BEES, STUDY SHOWS

By [Andrew Couts](#) — May 13, 2011

If there's one thing people around the world love to do — in fact, need to do — it's eat. Unfortunately, another thing everyone likes to do is talk on their cell phones. And according to a new study ([PDF](#)), these two activities are completely at odds because of a cell phone signal's confusing effects on one key player: bees.

Researcher Daniel Favre of the Swiss Federal Institute of Technology has found that wireless signals cause honeybees to become so disoriented that

they finally just die. Favre's team conducted 83 separate experiments that tested bees' reactions to a nearby cellphone.

The team found that honeybees made 10 times the amount of noise when a cell phone made or received a call than they did when the phone was in off or standby mode. As [Fast Company](#) reports, this noise (generally known as "worker piping") usually signals the bees to leave the hive. But when the reaction is triggered by a cellular signal, the bees just became tragically befuddled.

So, what about a cell phone signal makes bees suicidally crazy? As Favre's report explains: "Worker piping in a bee colony is not frequent, and when it occurs in a colony, that is not in a swarming process, no more than two bees are simultaneously active...The induction of honeybee worker piping by the electromagnetic fields of mobile phones might have dramatic consequences in terms of colony losses due to unexpected swarming."

It's the "dramatic...colony losses" part that everyone should be concerned about. Honeybees are responsible for pollinating about 70 percent of the 100 or so crops on the entire planet that humans use for food.

So-called "[colony collapse disorder](#)" among the world's bee population has been recorded since 1972. But it wasn't until 2006 that the drop in the bee population took a nosedive, with beekeepers noting a 30 to 90 percent loss of their bee colonies, up from 17 to 20 percent in previous years.

Favre's study corroborates a 2008 report that showed that honeybees would not return to their hive when a cell phone was placed nearby, which sparked the theory that wireless signals are the problem.

There are other reasons scientists believe the world's crucial bee population is plummeting, things like the use of clothianidin, a pesticide used to treat corn seeds. But Favre's study shows that our cell phone habit is playing a major role in the current bee holocaust. New [iPhone](#), anyone?